

All communications respecting this case should identify it by number and names of parties.



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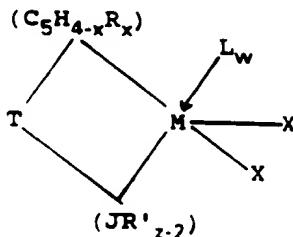
Applicant: Canich
Serial No.: 07/728,428
Filed: July 11, 1991
For: OLEFIN POLYMERIZATION
CATALYSTS

Accorded Benefit of: U.S.
S.Nos. 07/533,245, filed
06/04/90, now Patent No.
5,055,438, issued 10/08/91;
07/406,945, filed 09/13/89,
now abandoned

Pursuant to the APJ' decision on preliminary motion,
Interference No. 102,953 is redeclared by deleting count 1 and
substituting therefore new count 2 as follows:

Count 2

A compound having the general formula:



or a dimer thereof, wherein:

M is Zr, Hf, or Ti;

$(C_5H_{4-x}R_x)$ is a cyclopentadienyl ring which is substituted with from zero to four substituent groups R, x is 0, 1, 2, 3, or 4 denoting the degree of substitution, and each substituent group R is independently a radical selected from the group consisting of C_1 - C_{20} hydrocarbyl radicals, substituted C_1 - C_{20} hydrocarbyl radicals wherein one or more hydrogen atoms is replaced by a halogen atom, C_1 - C_{20} hydrocarbyl-substituted metalloid radicals wherein the metalloid is selected from the group consisting of silicon and germanium, cyano, and halogen radicals, or $(C_5H_{4-x}R_x)$ is a cyclopentadienyl ring in which two adjacent R groups are joined forming a C_4 - C_{20} ring to give a saturated or unsaturated polycyclic cyclopentadienyl ligand;

(JR'_{2-2}) is a heteroatom ligand in which "J" is an element with a coordination number of three from Group V-A or an element with a coordination number of two from Group VI-A of the Periodic Table of Elements, and R' is a radical selected from a group consisting of C_1 - C_{20} hydrocarbyl radicals, substituted C_1 - C_{20} hydrocarbyl radicals wherein one or more hydrogen atoms is replaced

by a halogen atom, and "z" is the coordination number of the element J;

X is, independently each occurrence, an anionic ligand group selected from the group consisting of hydride, halide, alkyl of up to 30 carbon atoms, alkoxy having up to a total of 30 carbon and oxygen atoms, cyanide, azide, acetylacetonate, aryl having from 6 to 30 carbon atoms, aryloxy having a total of from 7 to 30 carbon and oxygen atoms, norbornyl and benzyl;

T is CR_2^* , $CR_2^*CR_2^*$, SiR_2^* or $SiR_2^*SiR_2^*$ where R^* is selected from the group consisting of hydrogen, C_1 - C_{20} -alkyl, haloalkyl having up to a total of 20 carbon and halogen atoms, aryl having from 6 to 20 carbon atoms, and haloaryl having a total of from 7 to 20 carbon and halogen atoms;


L is a neutral Lewis base; and

w is a number from 0 to 3.

The claims of the parties designated as corresponding to this count are:

Canich: Claims 2, 4-6, 25, 26, 35-41 and 44-45.

Stevens et al.: Claims 1, 2, 49-56, 102, 103, 109 and 111-118.


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MFD/raj